Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work:Construction of RCC Drain At Prashanth Nagara,Mathrusri layout and Other Roads in Ward No.13 Shettyhalli Sub Division.

Est .Cost Rs.100.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (Page No. 138, Item No.18.47,PW,P & IWTD SR 2016-17)								
	UGD line cutting portion	Cum	1	50	1.2	0.25	15		
							15	827.86	12417.90
2	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 142/ Item No. 19.1/ PWD SR 2016-17								
	High tension pole road	Cum	1	95.00	1.00	1.00	95.00		
	High tension pole road from 5th cross to 7th crossL/s		1	50.00	1.00	1.00	50.00		
	Onion mandi road		2	65.00	1.00	1.00	130.00		
	2nd cross from 4th cross to high tension pole road R/s		1	65.00	1.00	1.00	65.00		
	1st cross from vishala public school road to 1st main road R/s & L/s.		2	97.00	1.00	1.00	194.00		
	5th cross Near Hightension		1	67.00	1.00	1.00	67.00		
	5thcross R/s.		1	35.00	1.00	1.00	35.00		
	1st Cross Kalyana Nagara		1	280.00	1.00	1.00	280.00		
	3rd cross from dasarahalli main road to 1st cross R/s.		1	45.00	1.00	1.00	45.00		
	17th A Cross		2	124.00	1.00	1.00	248.00		
	15th cross R/S		1	120.00	1.00	1.00	120.00		
	5th cross Mathrusri L/o		2	112.00	1.00	1.00	224.00		
	UGD Damaged portion		1	50.00	1.20	2.30	138.00		
	Manhole		2	0.785	1.80	1.80	5.09		
							1696.09	175.96	298443.43
3	Removing B S Slab Drain And Stacking Page No25 Item No 5.32 PWD SR 2016-17								
	High tension pole road	Sqm	1	95.00	1.35		128.25		
	High tension pole road from 5th cross to 7th crossL/s		1	50.00	1.35		67.50		
	Onion mandi road		2	65.00	1.35		175.50		
	2nd cross from 4th cross to high tension pole road R/s		1	65.00	1.35		87.75		
	1st cross from vishala public school road to 1st main road		2	97.00	1.35		261.90		
	5th cross Near Hightension		1	67.00	1.35		90.45		
	5thcross R/s.		1	35.00	1.35		47.25		
	1st Cross Kalyana Nagara		1	280.00	1.35		378.00		
	3rd cross from dasarahalli main road to 1st cross R/s.		1	45.00	1.35		60.75		
	17th A Cross		2	124.00	1.35		334.80		
	15th cross R/S		1	120.00	1.35		162.00		
	15th cross L/S		1	94.00	1.35		126.90		
	5th cross Mathrusri L/o		2	112	1.35		302.40		
	Cross Road		2	30	1.35		81.00		
							1707.00	65.72	112184.04

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4	Stone dust / Grit Page No II PW,P&IWTD SR 2016-17								
	UGD Damaged portion	Cum	1	50.00	1.20	0.45	27.00		
							27.00	848.00	22896.00
5	Providing and laying in position to required level or slope 300 mm internal diameter salt glazed stone ware pipes grade A and jionting with stiff mixture of cement morter in proportion of 1:1, testing of pipes and joints ,including cost of materials labour charges complete as per specifications (Page No.70, Item No 11.4)PW,P&IWTD SR 2016-17								
	UGD Damaged portion	Rmtr	1	50.00			50		
							50.00	650.84	32542
6	Filling available earth around pipe lines cable in layers not exceeding 20cms, in depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost all labour complete as per specifications (Page No.6 Item No. 2.10)PW,P&IWTD SR 2016-17								
	UGD Damaged portion	Cum	1	50.00	1.2	1.8	108		
							108.00	134.62	14538.96
7	KSRB 12-5.3 : Constructing brick masonry circular type manhole 1.22 m internal dia at bottom 1.68 m deep and 0.56m dia at top, with table moulded and non modular bricks of class designation 50 in cement mortar 1:4, inside cement plaster 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and down size granite metal and making necessary channel in cement concrete M 15 with 20mm and down size granite metal, finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter confirming to IS :12592, total weight length of cover and frame to be not less than 182 kg, fixed in cement concrete M 15 20mm and down size broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of mechineries complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid seperately) Specification No. KBS 12.4(Page No72, Item.11.39 PW,P&IWTD SR 2016-17								
	Manholes Damaged portion	No's	2				2		
							2.00	27691.44	55382.88
8	KSSRB M400-7 Construction Of granular sub -base by providing coarse graded cushed stone aggregates of granite / trap / basalt material speading in uniform layers with motor grader on prepared surface,mixing by mix in place method with rotavator at OMC,and compacting with vibratory roller to achive the desired density. complete asper specification. By mix in place method for Grading II Material KSSRB Page No 156 Item No 20.6 and 20.6.3								
	UGD line cutting portion		1	50.00	1.20	0.20	12.00		
							12.00	1582.58	18990.96
9	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2 Page No.12/ Item No. 4.3/ PWD SR 2016-17								
	High tension pole road	Cum	1	95.00	1.00	0.15	14.25		
	High tension pole road from 5th cross to 7th crossL/s		1	50.00	1.00	0.15	7.50		
	Onion mandi road		2	65.00	1.00	0.15	19.50		
	2nd cross from 4th cross to high tension pole road R/s		1	65.00	1.00	0.15	9.75		
	1st cross from vishala public school road to 1st main road R/s & L/s.		2	97.00	1.00	0.15	29.10		
	5th cross Near Hightension		1	67.00	1.00	0.15	10.05		
	5thcross R/s.		1	35.00	1.00	0.15	5.25		

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	1st Cross Kalyana Nagara		1	280.00	1.00	0.15	42.00		
	3rd cross from dasarahalli main road to 1st cross R/s.		1	45.00	1.00	0.15	6.75		
	17th A Cross		2	124.00	1.00	0.15	37.20		
	15th cross R/S		1	120.00	1.00	0.15	18.00		
	15th cross L/S		1	94.00	1.00	0.15	14.10		
	UGD line cutting portion		1	50.00	1.2	0.15	9		
							222.45	**5159.02**	**1147624.00**
10	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Page No.12/ Item No. 4.5/ PWD SR 2016-17								
	Drain Rafi Concrete	**Cum**	1	95.00	1.00	0.15	14.25		
			1	50.00	1.00	0.15	7.50		
			2	65.00	1.00	0.15	19.50		
			1	65.00	1.00	0.15	9.75		
			2	97.00	1.00	0.15	29.10		
			1	67.00	1.00	0.15	10.05		
			1	35.00	1.00	0.15	5.25		
			1	280.00	1.00	0.15	42.00		
			1	45.00	1.00	0.15	6.75		
			2	124.00	1.00	0.15	37.20		
			1	120.00	1.00	0.15	18.00		
			1	94.00	1.00	0.15	14.10		
	Side Wall		2	95.00	0.15	0.75	21.38		
			2	50.00	0.15	0.75	11.25		
			4	65.00	0.15	0.75	29.25		
			2	65.00	0.15	0.75	14.63		
			4	97.00	0.15	0.75	43.65		
			2	67.00	0.15	0.75	15.08		
			2	35.00	0.15	0.75	7.88		
			2	280.00	0.15	0.75	63.00		
			2	45.00	0.15	0.75	10.13		
			4	124.00	0.15	0.75	55.80		
			2	120.00	0.15	0.75	27.00		
			4	94.00	0.15	0.75	42.30		
	UGD line cutting portion		1	50.00	1.2	0.15	9		
							563.78	**5874.52**	**3311907.51**
11	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting,. propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached1 pilasters, buttresses, plinth cilis and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page No.15/ Item No. 4.31/ PWD SR 2016-17								
		Sqm	4	95.00	0.90		342.00		
			4	50.00	0.90		180.00		
			8	65.00	0.90		468.00		
			4	65.00	0.90		234.00		
			8	97.00	0.90		698.40		
			4	67.00	0.90		241.20		
			4	35.00	0.90		126.00		
			4	280.00	0.90		1008.00		
			4	45.00	0.90		162.00		

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			8	124.00	0.90		892.80		
			4	120.00	0.90		432.00		
			8	112.00	0.90		806.40		
				94.00			5410.80	310.58	1680486.26
6	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications Specification No KBS 4.6.3, TMT bars Fe 500 Page No 17/ Item No 4.46.2/ PWD SR 2016-17								
	For RCC Drian	Tonnes		563.63	x	60kgs	33.82		
				554.73		Say	33.82	64243.42	2172551.86
7	Providing & laying reinforeced cement precast slabs of mix CC 1:1 1/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications								
	Damaged Slab		27	0.60		0.90	14.58		
			162.00				14.58	1680.00	24494.40
							Sub Total		8620017.03
	KRIDL Charges at 8+1%								775801.53
	Miscellaneous and PMC Charges 7%								603401.19
9	Rounding off								780.25
							Grand Total		10000000.00
	(Rupees Hundred Lakhs Only)								

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2016-17
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.
5 This work is not included in any other estimate.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. EE/DD/AS/173/17-18 ದಿನಾಂಕ : 7-10-17
ರೂ. Rs-100.00 Lakhs One hundred lakhs only
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE/TS/224/17-18 ದಿನಾಂಕ : 17/10/2017
ರೂ. Rs. 100.00 lakhs only/-
ರೂ. ನೂರು ಲಕ್ಷಗಳು ಮಾತ್ರ/-
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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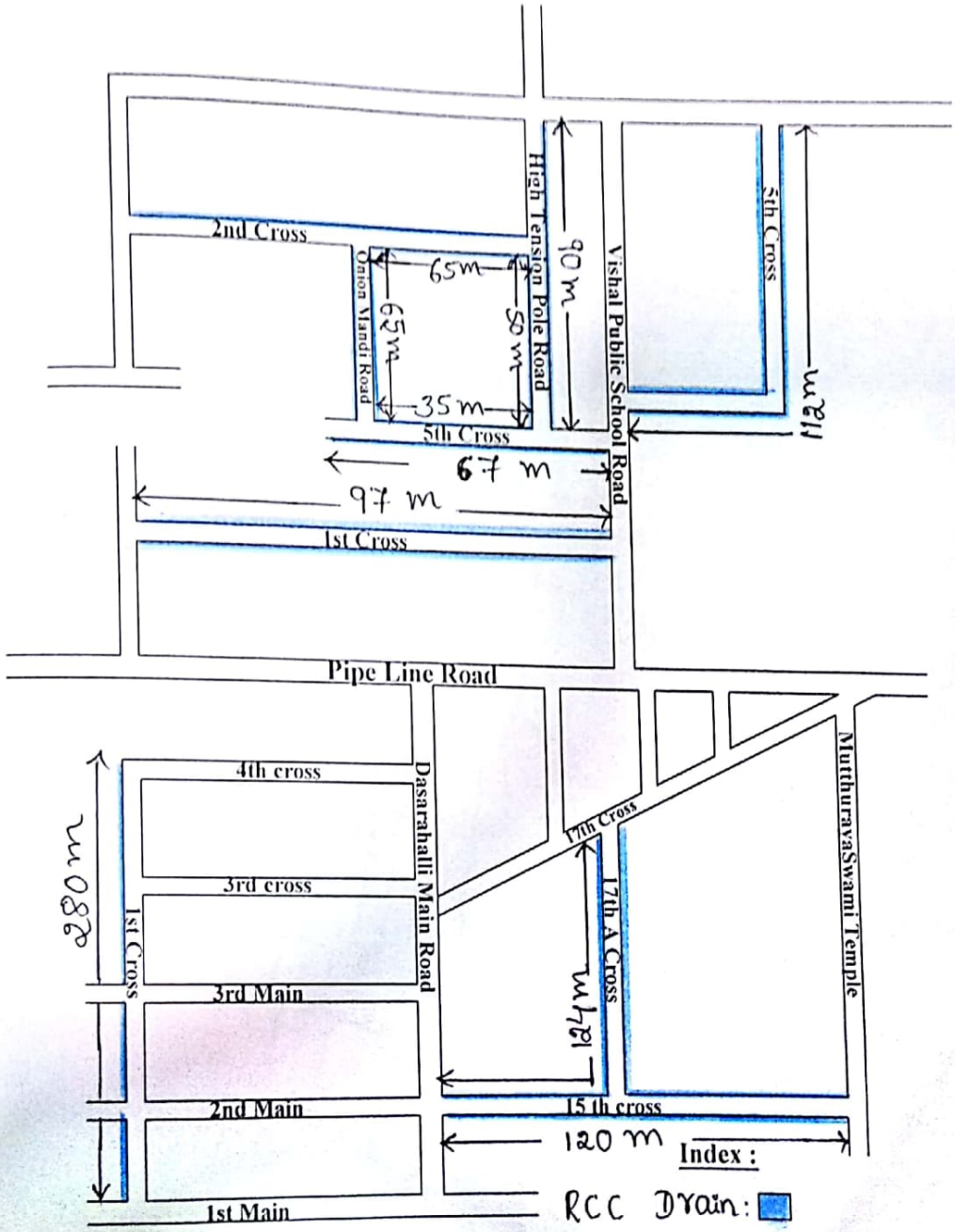
Name of work : Construction of RCC Drain At Prashanth Nagara, Mathrusri Layout And other Road in Ward No 13 Shettihally Sub Division.



Asst.Engineer
Ward No.13

Asst.Executive Engineer
Shettihally Sub Division.

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